

CLAIMS

1. Cap means, comprising opening-indicator means (5) having an outer edge (11) wherefrom leads away fin means (10) that in use extends towards the inside of said cap means (1), said fin means (10) comprising, in one of its portions nearest said edge (11), an elongated element (14) having a substantially rectilinear extension, characterised in that said fin means (10) further comprises, in one of its portions further away from said edge (11), flexible appendage means (18).
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2. Cap means according to claim 1, wherein said appendage means (18) is mobile between a folded configuration (X), in which said appendage means (18) is contained in the thickness of said elongated element (14), and an extended configuration (Y), in which said appendage means (18) extends substantially transversely in relation to said elongated element (14).
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3. Cap means, comprising opening-indicator means (5) having an outer edge (11) wherefrom leads away fin means (10) which in use extends towards the inside of said cap means (1), said fin means (10) comprising, in one of its portions nearest said edge (11), an elongated element (14) having a substantially rectilinear extension, characterised in that said fin means (10) further comprises, in one of its portions further away from said edge (11), appendage means (38) extending transversely in relation to said elongated element (14).
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4. Cap means according to claim 3, wherein said appendage means (38) extends substantially perpendicularly in relation to said elongated element (14).
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5. Cap means according to any one of the preceding claims, wherein said appendage means (18; 38) can be deformed if subjected to stress directed radially from a central zone
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of said cap means (1) towards a peripheral zone of said cap means (1).

6. Cap means according to any one of the preceding claims,

wherein said appendage means (18; 38) leads away from a second end (16) of said elongated element opposite a first end (15) thereof that comprises a deformable zone (12) acting as plastic hinge to connect said elongated element (14) to said opening-indicator means (5).

7. Cap means according to any one of the preceding claims,

wherein said fin means (10) is suitable for interacting with projection means (21) obtained on a neck (8) of container means (9) with which said cap means (1) can be associated, during a first opening of said container means (9).

15 8. Cap means according to claim 7, wherein said fin means (10) has a thickness that is less than the difference between the diameter (D) of said projection means (21) and the diameter (d) of said neck (8).

9. Cap means according to claim 7, or 8, wherein said fin

means (10) is of a height (h; h1) that is less than the distance between said projection means (21) and a shaped part (35; 44) of said container means (9) extending radially from said neck (8).

10. Cap means according to any one of claims 7 to 9, wherein

said elongated element (14) is substantially subjected to compression stress, during said first opening.

11. Cap means according to any one of claims 7 to 10, wherein

said appendage means (18) is shaped in such a way as to interact in a shapingly coupled manner with said projection means (21), during said first opening, to prevent said fin means (10) from rotating around said opening-indicator means (5).

12. Cap means according to any one of the preceding claims, wherein said opening-indicator means comprises a ring (5)

having an intended separation line means extending longitudinally along the surface of said ring (5).

13. Cap means according to any one of the preceding claims, and further comprising threaded means (6) suitable for 5 engaging in corresponding further threaded means (7) obtained in container means (9) with which said cap means (1) can be associated.

14. Cap means according to claim 13, wherein said threaded means comprises a thread (6) provided with double start 10 (30, 31).

15. Cap means according to claim 14, wherein said double starts (30, 31) are contained on the same plane that is substantially parallel to a further plane identified by an opening (32) of said cap means (1).

16. Cap means according to claim 14, or 15, wherein said 15 double starts (30, 31) are mutually staggered by an angle of 180°.

17. Cap means according to any one of claims 14 to 16, wherein 20 said thread (6) comprises a pair of threads (28, 29) with cylindrical helix extending parallel to one another.

18. Cap means according to claim 17, wherein said cylindrical helix has a pitch of 4.5 millimetres.

19. Cap means according to any one of claims 14 to 16, wherein 25 said thread (6) comprises a pair of threads (28, 29) with tapered helix extending parallel to one another.

20. Cap means according to claim 19, wherein said tapered helix has a pitch of 4.5 millimetres.

21. Cap means, comprising opening-indicator means (5) having 30 an outer edge (11) wherefrom leads away fin means (10) which in use extends towards the inside of said cap means (1), characterised in that said fin means (10) comprises a first portion (26) suitable for interacting with a surface (25) of first collar means (22) extending radially from a neck (8) of container means (9), a second portion (33)

suitable for interacting with a further surface (27) of second collar means (23) extending radially from said neck (8), and a third portion (39) suitable for interacting with a yet further surface (40) of said first collar means (22).

- 5 22. Cap means according to claim 21, wherein said first portion (26) is arranged transversely in relation to said second portion (33) and to said third portion (39).
- 10 23. Cap means according to claim 21, or 22, wherein said first portion (26) is arranged substantially perpendicularly in relation to said second portion (33) and to said third portion (39).
- 15 24. Cap means according to any one of claims 21 to 23, wherein said first portion (26), said second portion (33) and said third portion (39) are mutually connected together in such a way as to identify in said fin means (10) a step contour (45) suitable for engaging in a further step contour (46) defined by said first surface (25), by said second surface (27) and by said third surface (40).
- 20 25. Cap means according to claim 24, wherein said contour (45) and said further contour (46) can be associated in a shapingly coupled manner.
- 25 26. Cap means according to any one of claims 21 to 25, wherein said fin means (10) has a thickness that is less than the difference between the diameter (D) of said first collar means (22) and the diameter (d) of said neck (8).
- 30 27. Cap means according to any one of claims 21 to 26, wherein said fin means (10) is of a height (h; h1) that is less than the distance between said first collar means (22) and a shaped part (35; 44) of said container means extending radially from said neck (8).
28. Cap means according to any one of claims 21 to 27, wherein said opening-indicator means comprises a ring (5) having

an intended separation line means extending longitudinally along the surface of said ring (5).

29. Cap means according to any one of claims 21 to 28, and further comprising threaded means (6) suitable for 5 engaging in further threaded means (7) obtained in container means (9) with which said cap means (1) can be associated.

30. Cap means according to claim 29, wherein said threaded means comprises a thread (6) having double-start (30, 31).

10 31. Cap means according to claim 30, wherein said double starts (30, 31) are contained on the same plane that is substantially parallel to a further plane identified by an opening (32) of said cap means (1).

15 32. Cap means according to claim 30, or 31, wherein said double starts (30, 31) are mutually staggered by an angle of 180°.

33. Cap means according to any one of claims 30 to 32, wherein said thread (6) comprises a pair of threads (28, 29) with cylindrical helix extending parallel to one another.

20 34. Cap means according to claim 33, wherein said cylindrical helix has a pitch of 4.5 millimetres.

35. Cap means according to any one of claims 30 to 32, wherein said thread (6) comprises a pair of threads (28, 29) with tapered helix extending parallel to one another.

25 36. Cap means according to claim 35, wherein said tapered helix has a pitch of 4.5 millimetres.

37. Container means, comprising a neck (8), wherefrom first collar means (22) and a second collar means (23) lead radially away, and cap means (1) provided with opening-indicator means (5) that has an outer edge (11) wherefrom leads away fin means (10) which in use extends towards the inside of said cap means (1), characterised in that said fin means (10) comprises a first portion (26) suitable for interacting with a surface (25) of said first collar means

(22), a second portion (33) suitable for interacting with a further surface (27) of said second collar means (23), and a third portion (39) suitable for interacting with a yet further surface (40) of said first collar means (22).

- 5 38. Container means according to claim 37, wherein said first portion (26) is arranged transversely in relation to said second portion (33) and to said third portion (39).
39. Container means according to claim 37, or 38, wherein said first portion (26) is arranged substantially perpendicularly in relation to said second portion (33) and to said third portion (39).
- 10 40. Container means according to any one of claims 37 to 39, wherein said first portion (26), said second portion (33) and said third portion (39) are connected together in such a way as to identify in said fin means (10) a step contour (45) suitable for engaging in a further step contour (46) defined by said first surface (25), by said second surface (27) and by said third surface (40).
- 15 41. Container means according to claim 40, wherein said contour (45) and said further contour (46) can be associated in a shapingly coupled manner.
42. Container means according to any one of claims 37 to 41, wherein said fin means (10) has a thickness that is less than the difference between the diameter (D) of said first collar means (22) and the diameter (d) of said neck (8).
- 25 43. Container means according to any one of claims 37 to 42, wherein said fin means (10) has a height (h; h1) less than the distance between said first collar means (22) and a shaped part (35; 44) of said container means (9) extending radially from said neck (8).
- 30 44. Container means according to any one of claims 37 to 43, wherein said first collar means (22) is adjacent to said second collar means (23).

45. Container means according to any one of claims 37 to 44, wherein said second collar means (23) has a diameter that is greater than said first collar means (22).
46. Container means according to any one of claims 37 to 45,
5 wherein said first collar means (22) is more distant from an opening zone (24) of said neck (8) than from said second collar means (23).
47. Container means according to any one of claims 37 to 46,
10 wherein said surface (25) is arranged substantially parallel to said neck (8).
48. Container means according to any one of claims 37 to 47, wherein said further surface (27) is substantially annularly shaped.
49. Container means according to any one of claims 37 to 48,
15 wherein said yet further surface (40) is substantially annularly shaped.
50. Container means according to any one of claims 37 to 49, wherein said surface (25) is tilted in relation to said further surface (27) and to said yet further surface (40).
- 20 51. Container means according to any one of claims 37 to 50, wherein said surface (25) is arranged in a substantially perpendicular manner in relation to said further surface (27) and to said yet further surface (40).
52. Container means according to any one of claims 37 to 51,
25 wherein said opening-indicator means comprises a ring (5) provided with an intended separation line means extending longitudinally along the surface of said ring (5).
53. Container means according to any one of claims 37 to 52, wherein said cap means (1) further comprises threaded
30 means (6) suitable for engaging in further threaded means (7) obtained in said neck (8).
54. Container means according to claim 53, wherein said threaded means comprises a thread (6) provided with double start (30, 31).

55. Container means according to claim 54, wherein said double starts (30, 31) are contained on the same plane that is substantially parallel to a further plane identified by an opening (32) of said cap means (1).

5 56. Container means according to claim 54, or 55, wherein said double starts (30, 31) are mutually staggered by an angle of 180°.

10 57. Container means according to any one of claims 54 to 56, wherein said thread (6) comprises a pair of threads (28, 29) with cylindrical helix extending parallel to one another.

58. Container means according to claim 57, wherein said cylindrical helix has a pitch of 4.5 millimetres.

15 59. Container means according to any one of claims 54 to 56, wherein said thread (6) comprises a pair of threads (28, 29) with tapered helix extending parallel to one another.

60. Container means according to claim 59, wherein said tapered helix has a pitch of 4.5 millimetres.

20 61. Cap means, comprising threaded means (6) suitable for engaging in further threaded means (7) obtained in container means (9) with which said cap means (1) can be associated, characterised in that said threaded means comprises a thread (6) provided with double tart (30, 31).

25 62. Cap means according to claim 61, wherein said double starts (30, 31) are contained on the same plane that is substantially parallel to a further plane identified by an opening (32) of said cap means (1).

30 63. Cap means according to claim 61, or 62, wherein said double starts (30, 31) are mutually staggered by an angle of 180°.

64. Cap means according to any one of claims 61 to 63, wherein said thread (6) comprises a pair of threads (28, 29) with cylindrical helix extending parallel to one another.

65. Cap means according to claim 64, wherein said cylindrical helix has a pitch of 4.5 millimetres.
66. Cap means according to any one of the claims 61 to 63, wherein said thread (6) comprises a pair of threads (28, 29) with tapered helix extending parallel to one another.
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67. Cap means according to claim 66, wherein said tapered helix has a pitch of 4.5 millimetres.
68. Cap means according to any one of claims 61 to 67, wherein said opening-indicator means (5) has an intended separation line means extending longitudinally along the
10 surface of said opening-indicator means (5).